**Pratiksha Trust Extra-Mural Support for Transformational Aging Brain Research (EMSTAR)**

**Preliminary Application**

(*To be submitted as a single PDF file*)

*All sections are mandatory. In case any sub-section does not apply to your team, please enter ‘Not applicable’ as the response.*

**Section I: Proposal**

1a. Research project title *[limit: 250 characters]*

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Project duration: 5 years

1b. Thematic area *[choose all that apply, using an ‘x’ mark]*

[ ]  Understanding dementia from molecular, cellular, and systems standpoints

[ ]  Longitudinal cohort studies in rural and urban India to study the aging brain

[ ]  Artificial intelligence, machine learning, and data science approaches to decipher normal and pathological aging of the brain

[ ]  The role of hitherto less explored systems, such as the gut microbiome, in neurodegeneration, with a focus on dementia

[ ]  Immunity-nervous system crosstalk in the context of neurodegeneration, particularly dementia

1c. Research question(s) to be addressed *[limit: 100 words, preferably as bulleted points]*

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1d. Summary of the proposed research, outlining the state-of-the-art, the perceived gaps in the area, hypothesis, aims, and methodology, and highlighting the scientific novelty *[limit: 1000 words]*

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1e. Key outcomes and specific impact of the proposed research *[limit: 200 words]*

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1f. Relevance of the proposal to the mandate and vision of the EMSTAR program *[limit: 200 words]*

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**Section II: People**

*[Start this section on a fresh page.]*

**2a. Principal Investigator**

* Name:
* Gender:
* Date of birth (dd/mm/yyyy):
* Current designation:
* Date of expiry of the current appointment:
* Department:
* Institute/University:
* Email address:
* Telephone:
* Areas of expertise relevant to the proposed research *[limit: 25 words]*:

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* Specific contribution to the proposed research *[limit: 100 words]*:

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* Education *[in reverse chronological order, from highest degree to undergraduate degree]*

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| From(mm/yyyy) | To(mm/yyyy) | Qualification | Area of study/ discipline | Department and institution | Supervisor |
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* Employment history *[most recent first]*

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| From(mm/yyyy) | To(mm/yyyy) | Position | Specialisation/ domain | Department and Institution | Supervisor |
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* Ongoing/completed projects *[most recent first]*

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| From(mm/yyyy) | To(mm/yyyy) | Project title | Funding agency | Award amount | Role (PI/ Co-PI/ Co-I/ Fellow) |
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* Notable awards and honours *[as a bulleted list]*

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* List of publications (3 to 5) relevant to the proposed research

*[Provide citations in any standard format. Use reverse chronological order, italicize the name of the journal, underline the name(s) of the first author(s) and add an asterisk (\*) next to the name(s) of the corresponding author(s); specify the current citation count for each publication.]*

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* List of patents filed/granted *[Provide details such as title, inventors, granting agency, patent/application number, year, and status.]*

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**2b. Co-Investigator(s)**

*[Copy and paste 2b as necessary to provide details of each Co-Investigator.]*

* Name:
* Gender:
* Date of birth (dd/mm/yyyy):
* Current designation:
* Date of expiry of the current appointment:
* Department:
* Institute/University:
* Email address:
* Telephone:
* Areas of expertise relevant to the proposed research *[limit: 25 words]*:

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* Specific contribution to the proposed research *[limit: 100 words]*:

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* Education *[in reverse chronological order, from highest degree to undergraduate degree]*

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| From(mm/yyyy) | To(mm/yyyy) | Qualification | Area of study/ discipline | Department and institution | Supervisor |
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* Employment history *[most recent first]*

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| From(mm/yyyy) | To(mm/yyyy) | Position | Specialisation/ domain | Department and Institution | Supervisor |
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* Ongoing/completed projects *[most recent first]*

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| From(mm/yyyy) | To(mm/yyyy) | Project title | Funding agency | Award amount | Role (PI/ Co-PI/ Co-I/ Fellow) |
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* Notable awards and honours *[as a bulleted list]*

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* List of publications (3 to 5) relevant to the proposed research

*[Provide citations in any standard format. Use reverse chronological order, italicize the name of the journal, underline the name(s) of the first author(s) and add an asterisk (\*) next to the name(s) of the corresponding author(s); specify the current citation count for each publication.]*

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* List of patents filed/granted *[Provide details such as title, inventors, granting agency, patent/application number, year, and status.]*

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2c. Justification for the team composition in view of the proposed research objectives *[limit: 200 words]*

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2d. Details of past/ongoing collaborations, if any, between the investigators *[limit: 200 words]*

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**Section III: Place**

*[Start this section on a fresh page.]*

3a. Names and addresses of the primary host institution (i.e., wherein the PI will be based) and the other host institutions (i.e., wherein the Co-I will be based)

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3b. Considerations that led to the choice of the primary and other host institutions *[limit: 300 words]*

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3c. Any special requirements outside of what is available at the host institutions of the PI and Co-I and how these will be met *[limit: 100 words]*

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